

University of Maine

Upward Bound Math Science

"Don't chase people, be yourself, do your work hard. The right people – the ones who really belong in your life – will come to you and stay."

- Will Smith



Director's Message

It is hard to believe that we said our goodbyes and moved out of York Hall almost two months ago. As I look out my office window across the field toward York Hall, I see the UMaine Marching Band practicing for the next football game. They repeatedly do the same drill as they play our school song, "The Stein Song" and march to the exact spots on the field. The precision of each of the band members as he/she play instruments and march in step reminds me of the choreography of the summer program. Each staff member and student had a part to play this summer and it took the entire UBMS community to make the summer musical and magical. I think of students who learned to be themselves, worked hard, and found friends and mentors for life. The six weeks were long and, without a doubt, were academically, socially and physically challenging. I hope we all left York Hall feeling accomplished and better prepared for our next steps in life. As the Fall gets buzzing with activity and academic demands, reflect back to the summer program when you felt challenged and when you felt accomplished! Reflect back to your feelings and thoughts the moments after you presented to your final judge at the STEM Symposium - focus on that feeling of accomplishment, joy, and relief! There will be times during this school year when you may struggle and feel swamped, think back to UBMS Summer 2014 when you worked hard, made friends for life. Then get back to work, fill out those college applications, write those essays, and reach out for support!

2013-2014 Academic Year Director's List. *

Mariana Angelo	Bridget Knight
Ariana Alers	Deseray LaBlanc
Jordan Barrett	Desirae LaGasse
Alex Black	Savanna Leavitt
Joey Buzzell	Jasmine Mantha
Justin Chan	Austin Nantkes
Montana Crossman	Patrick Nason
Nyalida Deng	Kayene Oliver
Megan Fowler	Courtney Perry
Beverley Guay	Zachary Ramsdell
Nathan Hale	Victoria Rideout
Sabrin Hassan	Noah Simpson
Ubah Hussian-Ali	Chris Stewart
Madelion Jones	Hailey Wellington

*B average with no grade below C for the year.

Happy Birthday to YOU!

~ Becky

JUNE	JULY	AUGUST	OCTOBER
16 th Manson Merrill	10 th Reilly Hesseltine	3 rd Garrett Rudge	2 nd Jim Ayers
19 th Shelby Powers	27 th Kifah Sulub	17 th Sandy Pham	20 th Taia Federico
	28 th Renee Shorey		21 st Rachel St. Michel
			26 th Jason Lewis



College Open Houses

- Bates** - Oct. 13th (Register Online)
- Beal** - Nov. 8th (Register Online)
- Bowdoin** - Maine Day Oct. 6th (Register Online)
- CMCC** - Oct. 8th (Register Online)
- CMMCCNHP** - Nov. 3rd
- Colby** - Nov. 10th (Register Online)
- College of the Atlantic** - Oct. 13th-14th (Overnight stay)
- Husson** - Nov. 1st and Nov. 15th (Register Online)
- Maine College of Art** - Oct. 25th, Nov. 15th, Dec. 13th (RSVP)
- Maine Maritime Academy** - Oct. 4th, Dec. 6th (Call Admissions)
- SMCC** - Oct. 25th (Registration starts early Oct.)
- SNHU** - Oct. 5th, Nov. 2nd (Register Online)
- Thomas** - Oct. 25th (Register Online)
- University of Maine** - Oct. 5th, Nov. 10th (Register Online)
- UMF** - Oct. 25th, Nov. 8th (Register Online)
- UMFK** - Nov 3rd (Register Online)
- University of Maine at Machias** - Sept. 27th (Register Online)
- UMPI** - Nov. 8th, Nov. 21st (Register Online)
- UNE** - Oct. 25th, Nov. 1st (Register Online)
- USM** - Oct. 26th (Register Online)



The Dell Scholarship

The Dell Scholarship program offers a \$20,000 scholarship, a free laptop, and a mentoring program. We have students get this almost every year.

Application Opens: November 1st

Application Due: January 15th

Qualifications:

2.0 GPA

Trio Program Participation



MYAN Conference Dates

The Upward Bound Leadership Council, along with representatives from our target schools will be sending students from the Maine Youth Leadership Summit on October 27-28th in Augusta, Maine. Rachel St. Michel, Megan Haney and staff Jessie Darkis will represent Upward Bound Math Science. Look for more details to come.

Council for Opportunity in Education (COE) Conference Poster Competition for TRIO Students

UBMS Visits Washington DC

Picture this – a hot, sunny day at the end of July at the University of Maine, and the UBMS summer students had just eaten lunch and were lounging in the shade outside Hilltop Commons waiting for Community Meeting. With Individual Project posters completed the night before, there was a sense of accomplishment, yet a sense of anticipation, knowing several more deadlines lay ahead. News of the chance to apply for a poster competition with the Council for Opportunity in Education (COE) circulated. Those selected would travel to Washington, D.C. to present their posters at the annual COE conference! So, with the hot sun baking in the background, shaded by the white pines, students completed applications.

Fast-forward several weeks. During one of those long, lazy dog days of summer, the UBMS office received several emails from COE, saying that **Ariana Alers**, **Chris Stewart**, and **Justin Chan** had been selected to attend the conference!

September 8

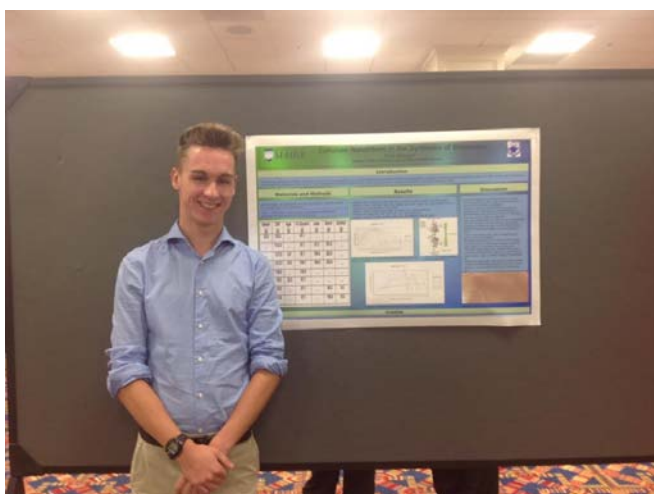
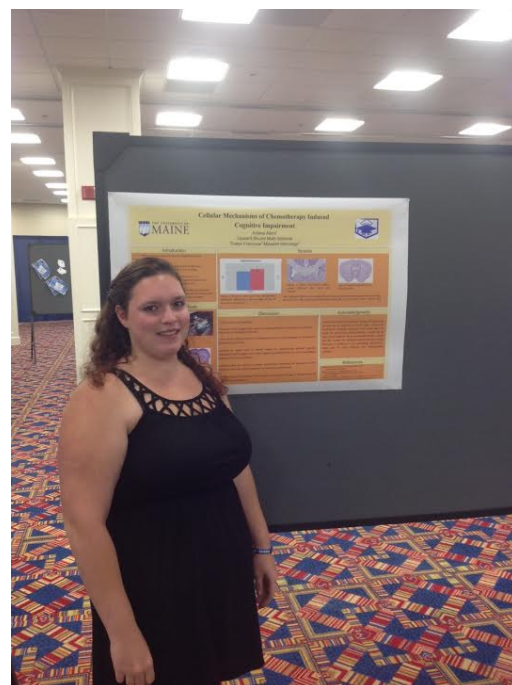
My alarm went off at 4:30AM. I hauled myself out of bed, gathered my things (included the freshly printed posters), and met Becky outside, who drove me to the airport to meet Chris and Ariana. The flight was short – 1.5 hours, and a first for Ariana. Neither Chris nor Ariana had been to D.C. before, and we were all excited about the trip. We arrived early in the morning, and caught a taxi to the quite magnificent hotel where the COE conference was taking place. After putting up the posters for the reception later that day, we started exploring the nearby vicinity, waiting until it was time to check into our Air BNB house. Three local restaurants and a taxi ride past the National Zoo later, we arrived at Buchanan Avenue. We later learned that the

larger house above our nice basement apartment was home to an Embassy family. We still are not sure which country though, but had fun making up stories about who they might be. (And no one knows that we went in the wrong door at first, into their apartment.)

Back at the hotel later that afternoon we heard a Plenary update from the Department of Education, from the person 4th in charge from the head of the Department. At the Alumni Reception, students met Maureen Hoyler, President of COE; Arnold Mitchum, Past-President and Founder of COE; Yvette Lane, Director of the MIT/Wellesley Upward Bound Program; Karen Keim, Past-President of NEOA, and many alums, program directors, and current students. Chris and Ariana presented their poster material to these guests while standing at their posters, similar to the STEM Symposium, but less of a formal presentation and more of a conversation.

Chris and Ariana were two of nineteen students selected from a pool of undergraduate (college) students in the McNair Program, and other TRIO Upward Bound programs across the country. They were two of four high school students in attendance; all others were college level. To tell you the truth, their posters and their research were comparable. Perhaps I'm biased, but in many cases, their work was superior, both technically and in its presentation on their posters! And they did a fantastic job presenting!

With the first round of presentations over, we set out for dinner, taking the DC Metro. The students decided upon eating at Wok N' Roll, a popular Chinese/Japanese restaurant in D.C.'s Chinatown district in Northwest. We arrived back at our temporary home well fed and ready for some sleep. That was day one!



September 9

On Tuesday we were up early, and an Uber car (similar to a taxi, but slightly less expensive) took us to Capitol Hill for a meeting with Mike Michaud. We introduced ourselves, and Chris and Ariana told him about their poster research and experiences at Upward Bound. Chris even showed the Congressman his demonstration piece of bioplastic, and he asked if it was possible to break it in two. Chris challenged him to try, and by gosh, he broke it right in half. We all had a good laugh about that. After presenting him with *A Journal of Explorations (AJOE)*, and a UBMS TRIO bag, we set off for the next two hours before our tour of the Capitol Building would begin. We walked past the Capitol, the Capitol reflecting pool, and many of the Smithsonian Museums. The students had decided that if they had one thing they really wanted to see, it was the White House, so we headed in that direction. They also wanted to see the Smithsonian Museum of Natural History. While walking there we passed a butterfly garden, the National Gallery of Art, and many other museums and beautiful plants. Arriving at the Smithsonian, we decided to stay there and see the White House the next day. At the Smithsonian we saw amazing exhibits of animals from every continent, sea creatures, early humans, and just our great luck the Butterfly House tour was free that day too, so we toured that as well. It was certainly a highlight for me when a little butterfly landed on my hand and didn't want to leave. I walked through the whole house with the little one on my hand. Thanks to her iPad, Ariana has pictures!

Getting done with that tour we had literally just enough time to grab a taxi and get to the Capitol, where we had a quick picnic of leftovers from the previous evening, discarding what we couldn't eat. (No food is allowed in the Capitol building, though they do allow special exceptions for medical reasons.) We went through security for the second time that day, and headed to register for our tour, which turned out to be amazing. We saw a short film – a history of the formation of the United States, and were then ushered into the lobby and everyone was separated into 5 tour groups. We just happened to choose the tour line that moved first, and donned our headsets so we could hear the tour guide. Talk about history; and the Capitol building is gorgeous; the architecture is breathtaking. Michaud's office had also given us special passes to see the Senate and Congress in session. We had just enough time to see each (who were just getting back from a lunch break) in session for about 15-20 minutes each. Since they were transitioning from a break, we didn't get to see much action, it was still very cool to be in those rooms and to realize how close the public can come to political processes taking place. After that, we had

about 15 minutes and took a quick tour of the Library of Congress – another beautiful building with many historical books! On the way back home we picked up breakfast for the next morning at Yes! Organic Market, a short distance from our Buchanan house.



It was time to dash back home and get changed for the big evening! Tuesday night was the Corporate Reception, where COE had invited big money donors to view students' posters, and to meet invite-only guests like Maureen and Arnold, as well as donors from Boeing, for example. The room was full of people dressed in suits and professional evening dresses, and the students' posters were fixed on the walls along the perimeter of the room. Jessie Baker, former UB staff member and current COE employee, greeted us at the welcome table. The hour flew by, with students presenting their work to many people throughout the hour. After that, the student poster winners were ushered to the formal banquet of filet mignon at \$150/plate (except theirs was free since they were selected to attend)! I dashed out to find some food up the street (because \$150 is a lot of money), and met someone who works for a non-profit dealing with military operations in Syria. Yes, in Washington, you never know whom you will meet, or what kind of interesting political connections they might have. Back at the hotel about an hour later, the TRIO Achievers began to speak, eliciting laughter, as well as tears, telling their Upward Bound stories of success in a huge ballroom filled with over 1,400 people. John Quinones, UB alum and host of ABC's *What Would You Do?* also spoke that evening, and the students took pictures and got autographs with him, definitely a highlight of the trip! Then there was a dance. Did I tell you TRIO folks like to get down? Well, they do, and they did, until almost midnight – they danced the night away!

September 10

Fast-forward. We were up early on Wednesday, heading Uber car, to see Senator King and Senator Collins. Traffic was heavy but we made it to Senator King's office for his open-office meet and greet coffee hour. The students spent several minutes talking with him, and left an autographed



AJOE with him before heading to Senator Collins' office, where we had a nice chat and a photo with her. Both students were very professional, charming, intelligent, and conversational, talking to both Senators about student loan debt, increasing Pell Grants, the importance of UBMS, and their research projects, outcomes Senator Collins, a TRIO supporter for many, many years didn't realize until our visit that there was a Math Science Upward Bound in Maine! So, we were able to share information about the program with her; she was super-impressed. We then spent about 15-20 minutes in the hallway talking with her Aide, Katie Brown, about UBMS and educational issues. Just a note to those of you who are wondering, if you want to have a Senator's ear, start with their Aides – they are in direct contact with and do much of the work for a Senator's Office. They are accessible and available by phone or email, and usually are extremely good about communication.

So what to do with the next few hours? We had the perfect amount of time to walk to the White House, get some photos, and then take a taxi to meet former UBMS student Samantha Garcia for lunch at The Tombs restaurant, near Georgetown. She shared information about the college application process, and what her classes are like, as well as

what it's like to go to a selective school and live in the D.C. area. After that she gave us an awesome tour of campus. I think we all enjoyed her tour of campus very much, especially our end destination – Georgetown Cupcakes. Yes, even me – I got a gluten free cupcake and it was absolutely divine! We were then lucky enough to then see a bus headed to Dupont Circle, back near our neck of the woods, and hopped on board. I had only \$3 cash, and that was the exact fare. Fortuity was with us throughout the trip. Once in Dupont, we caught a cab back home, and packed our bags in preparation for our returning flight

An Uber driver took us to the Metro, where we headed to Union Station, hoping to take an hour tour of the monuments before dinner. Alas, the monument tours would have taken 2.5 hours, more time than we had. Instead, we decided to get dinner "to-go", and take it to the Lincoln Memorial. A ten block walk (at least), some yoga on a concrete slab, two Pad Thais, and two slices of pizza, as well as three failed Uber car attempts later, we caught a taxi to the memorial just as the sun was going down. We ate, talked, laughed, and reminisced about the trip, and all had a chance to see the memorial and take pictures of the Washington Monument and reflecting pool at sunset, where several decades earlier Martin Luther gave his great speech! Later we Ubered to the airport, and had time to hear some of Obama's speech about the U.S. approach to ISIL/ISIS before boarding the plane. Ariana and Chris didn't sleep a wink on that trip, but I did! We got off the plane at midnight, and brrrr, could tell we were back in a Maine that had transitioned from late summer to early fall. – *Kelly Ann Ilseman*



Kent Island

For the first time, UMaine Upward Bound Math Science partnered with Bowdoin Upward Bound and the Bowdoin Scientific Station to offer two of our first-year students the opportunity to spend the week on Kent Island in Canada's Bay of Fundy. **Reilly Hesseltime** (Mattanawcook Academy) and **Matthew Bragdon** (Stearns High School) joined **Kevin Richards** (UBMS Alumni and KVCC Director of Student Development) and two Bowdoin Upward Bound students for a week-long adventure!

Each summer, Bowdoin faculty and students from many interscholastic backgrounds live, work, and study in a small, but close community on Kent Island. **Dr. Damon Gannon**, Director of the Bowdoin Scientific Station generously provided the research internship to our group. The week started with an overnight and pizza party at the UBMS Residence Hall to allow for an early morning departure. Transportation to the remote island off the coast of New Brunswick required a three-hour van ride, crossing the Canadian Border, a ferry to Grand Manan and then a lobster boat across to Kent Island. Just getting to Kent Island was an adventure in itself! The accommodations on the island were very rustic with no cell service, electricity, or showers, but the beautiful world of nature was the reward.



Save the Date
Halloween Reunion
Friday October 31st, 5-9PM
Donald P. Corbett Building, UMaine



College Board News

CollegeBoard (www.collegeboard.org) is a free resource you will want (and need) to take advantage of -- register online to take the SAT or subject tests, check all test dates, prepare by taking the SAT Question of the Day, explore many AP resources -- be sure to create an account and check it out. Here are some important pieces of information regarding standardized testing for fall 2014 and spring 2015!

Sophomores

You will be taking the PSAT free on Wednesday, October 15th

Juniors

The new state test will be Smarter Balance, which will replace the mandatory SAT. However, note that as a UBMS student, you are still required to take the SAT


On April 15, you will have the option of taking either the SAT or Accuplacer for free, during a designated testing day in school. Note that UBMS strongly recommends that you take the SAT, as it is accepted at most colleges and universities.

Seniors

If you haven't already, you need to register for the November or December SAT using a fee waiver from your UB counselors.

Starting this year, you will receive four free college application fee waivers through CollegeBoard. As long as you have taken or registered for the SAT with a fee waiver, you should be able to access these by logging into your CollegeBoard account. UBMS also has additional fee waivers available through NEACAC, so make sure to let your UB counselor know if you are in need of any.

KhanAcademy (www.khanacademy.org) is another free resource that is recommended by CollegeBoard for SAT and AP exam prep. Login using Facebook or create an account, and begin learning! There are numerous categories and subjects that you are able to choose from based on your grade level or the exam you are preparing to take-- once you choose a subject, you will be asked to answer questions or play games related to the material.

Please  our UMaine Upward Bound page and Friend Upward Bound on Facebook!